Maintenance

FOX 2004 ➤

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Maintenance

Heading

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Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.

Contents

1 Engine overview

Identification letters		AQZ	BAH	BLH	CFZA
Engines →		petrol engine	petrol engine	petrol engine	petrol engine
Production		from 08.04.03	from 11.24.03	from 11.17.03	from 11.08
Limit value for exhaust gases according to		Phase 3 of resolution number 15 from CONAMA	Phase 3 of resolution number 15 from CONAMA	Tier 1	EU 2 MVEG2[3] Tier 1 ME s/OBD [4]
Exhaust gas warning light		no	no	yes	yes
Number of cylinders/Valves per cylinder		4/2	4/2	4/2	4/2
Cylinder volume	l	1.0	1.6	1.6	1.6
Max. output	kW/rpm	52,0/6000	74/5750	74,0/5750	74/5250
Engine torque	Nm/rpm	89,0/4500	140,0/3250	140,0/3250	143,0/2500
Diameter	∅ mm	67,11	76,5	76,5	76,5
Stroke	mm	70,6	87,0	87,0	87,0
Compression rate		10,8;1	10,8:1	10,8:1	10,8:1
Injection/ignition		4BV[1]	ME 7.5.10[2]	ME 7.5.10[2]	ME 07.05.30
Octane rating (ROZ)	min.	95 lead-free	95 lead-free	95 lead-free	95 lead-free
Electronic accelerator		yes	yes	yes	yes
Self-diagnosis		yes	yes	yes	yes
Catalytic converter		yes	yes	yes	yes
Lambda adjustment		1 Lambda probe	1 Lambda probe	2 Lambda probes	2 Lambda probes
Recirculation of exhaust gases		no	no	no	no
Exhaust gas turbocharger		no	no	no	no

1) 4BV injection system with Immobilizer

2) ME 7.5.10 injection system with immobilizer

3) Argentina from the start.

4) Mexico from the start.

Identification letters		ASY	BNM
Engines →		Diesel engine	Diesel engine
Production		from 11.24.03	from 01.24.05
Limit value for exhaust gases according to		EURO 3 diesel	EURO 3 diesel
Number of cylinders/Valves per cylinder		4/2	3/2
Cylinder volume	l	1,9	1,4
Max. output	kW/rpm	47,0/4000	51,0/4000
Engine torque	Nm/rpm	125,0/1600	155.0/1600 to 2800
Diameter	∅ mm	79,5	79,5
Stroke	mm	95,5	95,5
Compression rate		19,5:1	19,5
Injection/ignition		Direct diesel injection (SDI)	Direct diesel injection (TDI PD)
Cetane coefficient	min.	49	49
Electronic accelerator		no	no

Identification letters	ASY	BNM
Self-diagnosis	yes	yes
Catalytic converter	yes	yes
Lambda adjustment	no	no
Recirculation of exhaust gases	yes	yes
Exhaust gas turbocharger	no	yes

Identification letters		BKR	BMD	CHFB
Engines →		petrol engine	petrol engine	petrol engine
Production		from 11.22.04	from 11.22.04	from 03.09
Limit value for exhaust gases according to		EURO 4	EURO 4	EURO 4
Number of cylinders/Valves per cylinder		4/2	3/2	3/2
Cylinder volume	l	1,4	1,2	1,2
Max. output	kW/rpm	55,0/5600	40,0/4750	40,0/4750
Engine torque	Nm/rpm	110,0/4000	106,0/3000	106,0/3000
Diameter	Ø mm	76,5	76,5	76,5
Stroke	mm	75,6	86,9	86,9
Compression rate		10,5	10,3	10,3
Injection/ignition		4 EV	[6] Simos 3 PG	Simos 9.1
Octane rating (ROZ)	min.	[5] 95 lead-free	[5] 95 lead-free	[5] 95 lead-free
Electronic accelerator		yes	yes	yes
Self-diagnosis		yes	yes	yes
Catalytic converter		yes	yes	yes
Lambda adjustment		yes	yes	yes
Recirculation of exhaust gases		no	no	no
Exhaust gas turbocharger		no	no	no

5) In exceptional cases, octane rating of at least 91, but with reduced power.

6) Simos 3 PG installed up to week 29, Simos 9.1 started in week 30.